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DATE:	29 March 2010	SIGNATURE:	

1 MARCH 2010 ANNUAL MONITORING REPORT REVIEW- OAKDALE IRRIGATION DISTRICT

On 1 March 2010, the California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) received the Oakdale Irrigation District's (District) 1 March 2010 Annual Monitoring Report (AMR). The time period discussed in the AMR covers the 2009 reporting period. The District submitted this report to meet the conditions of the Monitoring and Reporting Program (MRP) Order No. R5-2003-0827 for Individual Dischargers under Resolution No. R5-2003-0105 and the associated Individual Discharger Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands (Individual Waiver) Order No. R5-2006-0054.

Central Valley Water Board staff reviewed the AMR to evaluate it for the required reporting conditions described in the Order and in the District's MRP Plan. In this memorandum, staff presents their comments and recommendations pursuant to the Order and MRP Plan. The review is divided into sections. The section titles are the same as the titles used in the attached AMR Checklist.

Staff revisited the October 2009 AMR staff comment letter to verify that the District included the comments and recommendations in this AMR. Staff appreciates the District's effort to incorporate the comments concerning last years AMR given that the comment letter was not received by the District until October 2009. The District was able to incorporate the previous AMR recommendations except the two items listed below. The District stated it will make an effort for those items in subsequent years.

1. Match AMR section names to those found in MRP section IIIC. AMR components.
2. Modify the sample schedule to be more closely coordinated with the District's chemical applications.

The AMR reports that the District has obtained a new project manager, John Davids, replacing Kevin King.

Table QC

EVENT	Field Duplicate	Equipment Blank	Method Blank	Lab Control Spike	Lab Control Spike Duplicate	Sample Matrix Spike	Sample Matrix Spike Duplicate
High Flow	x	x	x	x	x	x	x
Low Flow	x	x	x	x	x	x	x
Storm	x	x	x	x	x	-	-
Post Storm	x	x	x	x	x	x	x

X= sample collected

Item 13: Summary of Precision and Accuracy

Where the spike recovery was outside of acceptable limits, the majority of these cases were due to matrix effects.

The District obtained 100% completeness for all the environmental samples. The QC did not meet 100% completeness because spikes were not analyzed for the storm season (see Item 12). If the lab QCs were outside of acceptability criteria range, these sample results were flagged, as indicated on pages 12-32.

Item 16: Summary of Management Practices Used by the District

The District did not observe any pesticide exceedances for the chemicals it applied during the sampling events. Consequently, the District is not planning on changing its Management practices. As part of the management practices, the District reported that it followed the pesticide label instructions, obtained the required permits, and filed its annual Notice of Intent with the California Department of Fish and Game.

Staff prepared Table 2 below reporting the pesticide, month of application, and the month when the sample event occurred. The sample dates the District chose to use during the reporting period may not have captured the District's chemical applications Weedar 64 because samples were collected before the application (Storm) and several months after the application (High and Low Flow).

Table 2. Oakdale Pesticides Application (X) 2009

Chemical Applied by District	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2,4-D (Weedar 64)				x	x	x						
Aminopyralid (Milestone)	x	x	x	x								x
Glyphosate (Roundup)	x	x	x	x	x	x	x	x	x	x	x	x
Pendimethalin (Pendulum)	x	x	x	x								x
Triclopyr (Garlon 3A)									x	x	x	

X = Chemical Applied by District

Shaded = Month sample collected

Item 19: Conclusions and Recommendations

The AMR provides sufficient information throughout the text to assess the degree to which the MRP objectives were achieved. MRP objectives are listed below.

a. Assess the impacts of waste discharges from irrigated lands to surface water;

Item No.	[3/25/10] [OID, 2009 AMR] Component Name	Acceptable	Unacceptable	Not Included/ Incomplete	Not Applic-able	Page # (Section #)	Comments	Notes
1	Signed Transmittal Letter	X					J. Davids replaced Kevin King as signing authority.	
2	Title Page	X						
3	Table of Contents	X						
4	Executive Summary (not required under Order)	X				2		
5	Description of the District's geographical area	X				2		
6	Monitoring Objectives and Design	X				4		
7	Sampling Site Descriptions	X				4		
8	Location maps(s) of sampling sites, crops, and land uses	X				Apdx A		
9	Tabulated Results of all analyses presented in tabular form so that the required information is readily discernible	X				12-32		
10	Sampling and analytical methods used	X				6		
11	Copy of chain-of-custody forms	X				69, 99, 123, 151		
12	Associated laboratory and field quality control samples results			X		26-32	MS, MSD, not collected for storm events.	
13	Summary of precision and accuracy	X				33		
14	Pesticide Use Reports	X				157 et al		
15	Data interpretation including assessment of data quality objectives	X				33		
16	Summary of management practices used by the District	X				34		
17	Actions taken to address water quality exceedances that have occurred, including, but not limited to, revised or additional management practices implemented	X				34	No pesticide exceedances observed	
18	Field data sheets, signed laboratory reports, laboratory raw data	X				Apdx B		
19	Conclusions and Recommendations	X				34		